Amendments to the Specification:

Please amend the paragraph beginning at page 3, line 28 as follows:

Therefore the formula (f-4) is written to the formula (f-5) below.

~~$E^m(J) = t^m o \cdot E0 \cdot J \cdot Lm/(t^m o \cdot \sigma m)$~~ $E^m(J) = t^m o \cdot E0 \cdot J \cdot Lm/(t^m o \cdot \sigma m)$ (f-5)

Please amend the paragraph beginning at page 5, line 30, as follows:

~~FIG. 5 is a table showing oxygen ion conductivity and the oxygen ion transport number of the solid electrolyte layer in an SOFC in each of Examples 1a to 5b of the present invention.~~

Please amend the paragraph beginning at page 6, line 9, as follows:

FIG. 1A shows the SOFC according to the first embodiment of the present invention. As shown, the SOFC 1 of the first embodiment comprises a perovskite solid electrolyte layer 2 as a first solid electrolyte layer; a fuel electrode 4 formed on one surface of the first solid electrolyte layer; and an air electrode 3 formed on the opposite side thereof, with a second solid electrolyte layer 5 having a small hole transport number and a high oxygen ion transport number provided between the first solid electrolyte layer 2 and the air electrode 3.

Please amend the paragraph beginning at page 6, line 17, as follows:

In the case described here, for the first solid electrolyte layer 2, an LaGa-based perovskite compound, especially one having a composition formula of $[(La_{2-x-y}Ln_xA_y)(Ga_{1-z}B_z)(O_{3-0.5(x+y+z)})]$, exhibiting high oxygen ion conductivity at a low temperature, should preferably be used. Here, preferably, Ln is one or more kind of elements selected from ~~lanthanoide~~ lanthanide elements Yb, Gd, Sm, Nd and Y ; A is an one or more kinds of element selected from Sr, Ba, Ca, and so on; and B is an element of one or two kinds,

selected from Mg, Zn, and so on. In addition, x should preferably be set in a range of 0.05 to 0.15 ; y in a range of 0.05 to 0.15 ; and z in a range of 0.05 or more to 0.25 or less.

Please amend the paragraph beginning at page 10, line 20, as follows:

FIG. 3A shows the SOFC of the second embodiment of the present invention. As shown in FIG. 3A, the SOFC 1 of the second embodiment comprises a perovskite solid electrolyte layer as a first solid electrolyte layer 2; an air electrode 3 formed on one surface of the first solid electrolyte layer; a fuel electrode 4 formed on the opposite side thereof; with a third solid electrolyte layer 6 having low electron and proton transport numbers and high oxygen ion transport number provided between the first solid electrolyte layer 2 and the fuel electrode 4.

Please amend the paragraph beginning at page 14, line 2 , as follows:

FIG. 4A shows the SOFC of the third embodiment of the present invention. As shown in FIG. 4A, the SOFC 1 of the third embodiment comprises: a perovskite solid electrolyte layer as a first solid electrolyte layer 2; an air electrode 3 formed on one side of the first solid electrolyte layer 2; a fuel electrode 4 formed on the opposite side thereof; with a second solid electrolyte layer 5 having a small hole transport number provided between the first solid electrolyte layer 2 and the air electrode 3; and a third solid electrode layer 6 having small electron and proton (mainly H^+) transport numbers and provided between the first solid electrolyte layer 2 and the fuel electrode 4.

Insert the following table at page 22, line 22:

Table 1

No.	Layer-built solid electrolyte (2nd SE/ 1st SE/ 3rd SE)	Ion conductivity [σ]	Ion transport number [Toi]
Example 1-a	YSZ / $La_{0.75}$ $Nd_{0.15}$ $Sr_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d}	0.017 S/cm	94 %
Example 1-b	YSZ / $La_{0.8}$ $Sm_{0.1}$ $Ba_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d}	0.017 S/cm	94 %
Example 2-a	SDC / $La_{0.75}$ $Nd_{0.15}$ $Sr_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d}	0.018 S/cm	94 %
Example 2-b	SDC / $La_{0.8}$ $Sm_{0.1}$ $Ba_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d}	0.018 S/cm	94 %
Example 3-a	$La_{0.75}$ $Nd_{0.15}$ $Sr_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d} / YSZ	0.017 S/cm	96 %
Example 3-b	$La_{0.8}$ $Sm_{0.1}$ $Ba_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d} / YSZ	0.017 S/cm	96 %
Example 4-a	YSZ / $La_{0.75}$ $Nd_{0.15}$ $Sr_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d} / YSZ	0.016 S/cm	99 %
Example 4-b	YSZ / $La_{0.8}$ $Sm_{0.1}$ $Ba_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d} / YSZ	0.016 S/cm	99 %
Example 5-a	SDC / $La_{0.75}$ $Nd_{0.15}$ $Sr_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d} /YSZ	0.017 S/cm	99 %
Example 5-b	SDC / $La_{0.8}$ $Sm_{0.1}$ $Ba_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d} / YSZ	0.017 S/cm	99 %
Comparative Example a	$La_{0.75}$ $Nd_{0.15}$ $Sr_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d}	0.018 S/cm	91 %
Comparative Example b	$La_{0.8}$ $Sm_{0.1}$ $Ba_{0.1}$ $Ga_{0.8}$ $Mg_{0.2}$ O_{3-d}	0.01 S/cm	91 %

Amendments to the Drawings:

Replacement sheets of the drawings are attached. Figure 5 has been deleted from the Figures, therefore 4 sheets of replacement drawings are attached.